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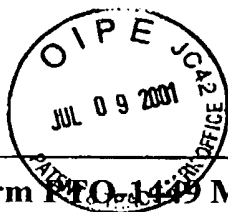
Sheet 1 of 6

Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office	Docket No. ISIS-4766	Serial No. 09/863,158
	Applicant David J. Ecker et al.	
	Filing Date May 23, 2001	Group Not Yet Assigned

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AA	Alul et al., "Oxaryl-CPG: a labile support for synthesis of sensitive oligonucleotide derivatives", <i>Nucleic Acids Research</i>, 1991, 19, 1532-1527
AB	Beaucage et al., "Advances in the Synthesis of Oligonucleotides by the Phosphoramidite Approach", <i>Tetrahedron</i>, 1992, 48, 2223-2311
AC	Berner et al., "Studies on the role of tetrazole in the activation of phosphoramidite", <i>Nucleic Acids Research</i>, 1989, 17, 853
AD	Blackburn and Gait (eds.), <i>Nucleic Acids in Chemistry and Biology</i>, IRL Press, 1990, 112-130
AE	Dahl et al., "Mechanistic studies on the phosphoramidite coupling reaction in oligonucleotide synthesis", <i>Nucleic Acids Research</i>, 1987, 15, 1729-1743
AF	Dahl, O. et al., "Preparation of Nucleoside phosphorothioates, Phosphoredithioates and Related Compounds", <i>Sulfur Reports</i>, 1991, 11, 167-192
AG	Daniels et al., Poster #F81 at the Protein Society meeting, San Diego, CA, 1989
AH	Eckstein, F., "Nucleoside Phosphorothioates", <i>Ann Rev. Biochem.</i>, 1985, 54, 367-402
AI	Fitzpatrick et al., presented in a paper entitled "Membrane Supports for DNA synthesis", at the 1993 "Innovations and Perspectives in Solid-Phase Synthesis", Conference at the University of Oxford
AJ	Glass Fiber Filter Plates, <i>Science</i>, June 17, 1994, 264, 1791
AK	Human Genome 1991-92 Program Report U.S. Department of Energy, June, 1992
AL	Kresse, J. et al., "The use of S-2-cyanoethyl phosphorothioate in the preparation of oligo 5'-deoxy-5'-thiothymidylates", <i>Nucleic Acids Research</i>, 1975, 2, 1-9
AM	Lipshutz, R., "Likelihood DNA Sequencing by Hybridization", <i>J. Biomolecular Structure & Dynamics</i>, 1993, 11, 637-653

EXAMINER Arthur Soderquist DATE CONSIDERED 9/7/04



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List of Patent and Publications Cited by Applicant (Use several sheets if necessary)		Applicant David J. Ecker et al.	
U.S. Department of Commerce Patent and Trademark Office		Filing Date May 23, 2001	Group Not Yet Assigned
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
AN	Merrifield, B., "Solid Phase Synthesis", <i>Science</i>, 1986, 232, 341-347		
AO	Merrifield, B., "Solid Phase Peptide Synthesis I. The Synthesis of a Tetrapeptide", <i>J. Am. Chem. Soc.</i>, 1963, 85, 2149-2154		
AP	Nielsen et al., "Thermal Instability of Some Alkyl Phosphorodiamidites", <i>J. Chem. Res.</i>, 1986, 26-27		
AQ	Sekine et al., "Synthesis and Properties of S,S-Diaryl Nucleoside Phosphorodithioates in Oligonucleotide Synthesis", <i>J. Org. Chem.</i>, 1979, 44, 2325-2326		
AR	Southern et al., "Analyzing and Comparing Nucleic Acid Sequences by Hybridization to Arrays of Oligonucleotides: Evaluation Using Experimental Models", <i>Genomics</i>, 1992, 13, 1008-1017		
AS	Stewart and Young, "Solid Phase Peptide Synthesis", 2nd Ed., Pierce Chemical Company, Illinois, 1984		
AT	Wright et al., "Large Scale Synthesis of Oligonucleotides via Phosphoramidite Nucleosides and a High loaded polystyrene Support", <i>Tetra. Letters</i>, 1993, 34, 3373-3376		
AU	The MultiScreen Assay System Millipore Advertisement, <i>Science</i>, Sept. 9, 1994, Vol. 265		
AS	AV Frank, R., "Strategies and Techniques in Simultaneous Solid Phase Synthesis Based on the Segmentation of Membrane Type Supports," <i>Bioorganic & Medical Chemistry Letters</i> , 1993, 3, 425-430		
AW	Daniels, et al., "Poster #T81 at the protein society meeting," San Diego, CA. 1989		
AX	Southern, et al., "Analyzing and comparing nucleic acid sequences by hybridization to arrays of oligonucleotides: Evaluation using experimental models," <i>Genomics</i>, 1992, 13, 2008-2017		
EXAMINER <i>Arden Bodinquist</i>		DATE CONSIDERED <i>9/7/04</i>	

* A copy of this reference will not be forwarded to the U.S. Patent and Trademark Office since it is believed to be too voluminous and easily obtainable by the Examiner.



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U. S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass
<i>CB</i>	AY	3,531,258	11/16/67	Merrifield et al.	23	252
<i>CB</i>	AZ	4,353,989	10/12/82	Bender et al.	435	287
<i>CB</i>	BA	4,362,699	12/07/82	Verlander et al.	422	131
<i>CB</i>	BB	4,415,732	11/15/83	Caruthers	536	27
<i>CB</i>	BC	4,458,066	07/03/84	Caruthers	536	27
<i>CB</i>	BD	4,483,964	11/20/84	Urdea et al.	525	54.11
<i>CB</i>	BE	4,500,707	02/19/85	Caruthers	536	27
<i>CB</i>	BF	4,517,338	05/14/85	Urdea et al.	525	54.11
<i>CB</i>	BG	4,562,157	12/31/85	Lowe et al.	435	291
<i>CB</i>	BH	4,598,049	07/01/86	Zelinka et al.	435	287
<i>CB</i>	BI	4,668,476	05/26/87	Bridgham et al.	422	62
<i>CB</i>	BJ	4,668,777	05/26/87	Caruthers	536	27

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Examiner Initial		Document No.	Date	Country	Translation YES NO	
<i>CB</i>	BK	0138075	09/14/84	EPO		
<i>CB</i>	BL	WO 89/10977	11/16/89	PCT		
<i>CB</i>	BM	WO 90/00626	01/25/90	PCT		
<i>CB</i>	BN	WO 90/03382	04/05/90	PCT		
<i>CB</i>	BO	WO 91/16457	10/31/91	PCT		

EXAMINER <i>Allen Rodriguez</i>	DATE CONSIDERED <i>9/7/04</i>
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Not Yet Assigned**U. S. PATENT DOCUMENTS**

Examiner Initial		Document No.	Date	Name	Class	Subclass
AS	BP	4,671,941	06/09/87	Niina et al.	422	131
AS	BQ	4,701,304	10/20/87	Horn et al.	422	62
AS	BR	4,725,677	02/16/88	Koster	536	27
AS	BS	4,728,502	03/01/88	Hamil	422	116
AS	BT	4,746,490	05/24/88	Saneii	422	62
AS	BU	4,748,002	05/31/88	Neimark et al.	422	116
AS	BV	4,816,513	03/28/89	Bridgham et al.	525	54.11
AS	BW	4,861,866	08/29/89	Durum et al.	530	333
AS	BX	4,866,166	09/12/89	Wigler	536	27
AS	BY	4,882,127	11/21/89	Rosenthal et al.	422	50
AS	BZ	4,923,901	05/08/90	Koester	521	53
AS	CA	4,973,679	11/27/90	Caruthers	536	27

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Examiner Initial		Document No.	Date	Country	Translation YES NO	
AS	CB	WO 92/00091	01/09/92	PCT	XX	
AS	CC	WO 92/10588	06/25/92	PCT	XX	
AS	CD	WO 92/20702	11/26/92	PCT	XX	
AS	CE	WO 93/17126	09/02/93	PCT	XX	
AS	CF	WO 93/22678	11/11/93	PCT	XX	

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Examiner Initial		Document No.	Date	Name	Class	Subclass
AB	CG	5,019,348	05/28/91	Ohms et al.	422	63
AB	CH	5,073,495	12/17/91	Anderson	435	284
AB	CI	5,106,585	04/21/92	Minami et al.	422	68.1
AB	CJ	5,112,575	05/12/92	Whitehouse et al.	422	116
AB	CK	5,112,736	05/12/92	Caldwell et al.	435	6
AB	CL	5,132,418	07/21/92	Caruthers	536	27
AB	CM	5,143,854	09/01/92	Pirrung et al.	436	518
AB	CN	Re.34,069	09/15/92	Koster	536	27
AB	CO	5,174,962	12/29/92	Beattie et al. Brennan	422	78
AB	CP	5,175,209	12/29/92	Beattie et al.	525	54.11
AB	CQ	5,182,366	01/26/93	Huebner et al.	530	334
AB	CR	5,198,368	03/1993	Khalil et al.	436	178

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Examiner Initial		Document No.	Date	Country	Translation YES NO	
AB	CS	WO 94/05394	03/17/94	PCT		
AB	CT	WO 94/17412	08/04/94	PCT		
AB	CU	WO 94/18226	08/18/94	PCT		
AB	CV	WO 95/25116	09/21/95	PCT		
AB	CW	0 119 573	09/26/84	EPO		

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Not Yet Assigned**U. S. PATENT DOCUMENTS**

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<i>AB</i>	CX	5,202,418	04/13/93	Lebl et al.	530	334
<i>AB</i>	CY	5,210,264	05/11/93	Yau	558	167
<i>AB</i>	CZ	5,221,518	06/22/93	Mills	422	62
<i>AB</i>	DA	5,240,680	08/31/93	Zuckermann et al.	422	67
<i>AB</i>	DB	5,243,540	09/07/93	Van Albert et al.	364	500
<i>AB</i>	DC	5,449,754	09/12/95	Nishioka	530	334
<i>AB</i>	DD	5,252,296	10/12/93	Zuckermann et al.	422	116
<i>AB</i>	DE	5,288,464	02/22/94	Nokihara	422	101
<i>AB</i>	DF	5,288,468	02/22/94	Church et al.	422	116
<i>AB</i>	DG	5,324,483	06/28/94	Cody et al.	422	131
<i>AB</i>	DH	5,338,831	08/16/94	Lebl et al.	530	334
<i>AB</i>	DI	5,342,585	08/30/94	Lebl et al.	422	131
<i>AB</i>	DJ	5,356,596	10/18/94	Nokihara et al.	422	131
<i>AB</i>	DK	5,362,447	11/08/94	Nokihara	422	131
<i>AB</i>	DL	5,368,823	11/29/94	McGraw et al.	422	134
<i>AB</i>	DM	5,188,733	02/23/93	Wang et al.	210	321.84
<i>AB</i>	DN	5,108,926	04/28/92	Klebe	435	284
<i>AB</i>	DO	5,338,688	08/16/94	Deeg, et al.	436	180
<i>AB</i>	DP	5,474,796	12/12/95	Brennan	427	2.13
<i>AB</i>	DQ	5,847,105	12/08/98	Baldeschieler	536	25.3
<i>AB</i>	DR	5,925,732	07/20/99	Ecker, et al.	530	334
EXAMINER <i>Alan Soderquist</i>				DATE CONSIDERED <i>9/7/04</i>		